

SECOND SUPPLEMENTAL PRELIMINARY
AMENDMENT AND
REQUEST FOR INTERFERENCE
UNDER 37 C.F.R. § 1.607(a)
U.S. Appln. No. 09/662,181

IN THE CLAIMS

Add the following new Claims 66-76:

66. A coated substrate which is a glass substrate provided on at least a portion of one of its faces with a coating having photocatalytic properties, and comprising titanium oxide at least partly crystallized in the anatase form, and obtained by thermal decomposition of titanium tetrachloride precursors, wherein said coating has a thickness up to 130 nm and wherein the crystallized titanium oxide is in the form of crystallites with an average size of between 0.5 and 60 nm.

67. A coated substrate which is a glass substrate provided on at least a portion of one of its faces with a coating having a photocatalytic properties, and comprising titanium oxide at least partly crystallized in the anatase form, and a thin layer forming a barrier to alkali metals originating from the substrate, located between said substrate and said coating, wherein the crystallized titanium oxide is in the form of crystallites with an average size of between 0.5 and 60 nm.

68. A coated substrate which is a glass substrate provided on at least a portion of one of its faces with a coating having photocatalytic properties, and comprising titanium oxide at least partly crystallized in the anatase form, and wherein said coating is hydrophilic, and has a

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contact angle with water below 5° after exposure to luminous rays, wherein the crystallized titanium oxide is in the form of crystallites with an average size of between 0.5 and 60 nm.

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contd
69. A coated substrate which is a glass substrate provided on at least a portion of one of its faces with a coating having photocatalytic properties, and comprising titanium oxide at least partly crystallized in the anatase form, and wherein said coating has a root mean square (RMS) rugosity between 2 and 20 nm, wherein the crystallized titanium oxide is in the form of crystallites with an average size of between 0.5 and 60 nm.

70. The coated substrate according to claim 67, wherein the coating has a thickness up to 130 nm.

71. The coated substrate according to claim 68, wherein the coating has a thickness of up to 130 nm.

72. The coated substrate according to claim 69, wherein the coating has a thickness up to 130 nm.

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73. The coated substrate according to claim 67, wherein the thin layer comprises silicon or silica.

74. A multi-layer glazing wherein at least one layer thereof is the coated substrate of claim 66.

75. A multi-layer glazing wherein at least one layer thereof is the coated substrate of claim 67.

76. A multi-layer glazing wherein at least one layer thereof is the coated substrate of claim 68.

77. A multi-layer glazing wherein at least one layer thereof is the coated substrate of claim 69.
